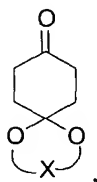


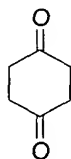
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ABSTRACT

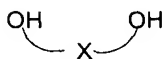
There is provided a process for preparation of a monoketal compound of the structure



that includes reacting 1,4-cyclohexanedione of the structure



with a diol of the structure



in a halogenated organic solvent in the presence of an acid catalyst, wherein X is a substituted or unsubstituted ethylene or propylene. Various embodiments and variants are provided.